

Memorandum

*Making Conservation
a California Way of Life.*

To: DISTRICT DIRECTORS
DIVISION CHIEF, DESIGN
DIVISION CHIEF, CONSTRUCTION
DIVISION CHIEF, MAINTENANCE

Date: October 18, 2018

File:

From: JASVINDERJIT S. BHULLAR
Division Chief
Division of Traffic Operations

Subject: **ENHANCED CONSPICUITY ON SIGN POSTS FOR SELECTED SIGNS ON THE
STATE HIGHWAY SYSTEM**

The California Department of Transportation (Caltrans) is initiating the use of Enhanced Conspicuity for selected sign posts to improve safety on the State Highway System. Enhanced Conspicuity will be achieved by attaching retroreflective treatment for the full length of the sign post from the bottom of the sign panel to within six inches of the breakaway feature (to avoid interfering with the breakaway feature) or above the ground (when there is no breakaway feature).

The *California Manual on Uniform Traffic Control Devices*, sections 2A.15 and 2A.21 allows for placement of a minimum two-inch wide vertical retroreflective material on the sign posts to enhance the visibility of signs where Enhanced Conspicuity of signs is desired. Installation of Enhanced Conspicuity retroreflective treatment should be on pedestrian, bicycle and school zone sign posts. Caltrans has developed a non-standard special provision (NSSP) 82-3 for Enhanced Conspicuity on sign posts.

This Enhanced Conspicuity for selected signs should be used on all projects submitted to Division of Engineering Services-Office Engineer (PPM&OE), and on all State Highway System projects advertised, awarded and administered by others with encroachment permits issued by the district on and after January 1, 2019.

If you have any questions, please contact Duper Tong, Chief, Office of Traffic Engineering at (916) 654-5176, or by e-mail sent to <duper.tong@dot.ca.gov>.

Attachments








- (1) Table of Selected Signs for Enhanced Conspicuity Sign Post Treatment
- (2) NSSP for Enhanced Conspicuity Sign Post Treatment




DISTRICT DIRECTORS et al.

October 18, 2018

Page 2 of 2

- c: Steve Takigawa, Deputy Director, Maintenance and Operations
- Karla Sutliff, Deputy Director, Project Delivery
- Deputy District Directors, Traffic Operations
- Srikanth Balasubramanian, Deputy Division Chief, Division of Traffic Operations
- Duper Tong, Chief, Office of Traffic Engineering, Division of Traffic Operations

| Selected Signs for Enhanced Conspicuity Sign Post Treatment | | | |
|---|---|---|--|
| Type of Signs | Thumbnail | Title | Notes |
| 1) Pedestrian |  W11-2 | Pedestrian Crossing [symbol] | Fluorescent yellow, <u>or</u> fluorescent yellow-green color, the same as background color of the sign |
| |  W11-15 | Combined Bicycle/Pedestrian [symbols] | Fluorescent yellow, <u>or</u> fluorescent yellow-green color, the same as background color of the sign |
| 2) Bicycle |  W11-15 | Combined Bicycle/Pedestrian [symbols] | Fluorescent yellow, <u>or</u> fluorescent yellow-green color, the same as background color of the sign |
| |  W11-1 | Bicycle Warning [symbol] | Fluorescent yellow, <u>or</u> fluorescent yellow-green color, the same as background color of the sign |
| 3) School Zone |  S1-1 | School [pentagon symbol] | Fluorescent yellow-green color, the same as background color of the sign |
| |  S3-1 | School Bus Stop Ahead [symbol] | Fluorescent yellow-green color, the same as background color of the sign |
| |  S4-5 | Reduced School Speed Limit Ahead | Fluorescent yellow-green color, the same as background color of the sign |

| Selected Signs for Enhanced Conspicuity Sign Post Treatment | | | |
|---|--|--|--|
| Type of Signs | Thumbnail | Title | Notes |
| 3) School Zone |  SW24-1 (CA) | SCHOOL Warning Assembly A [symbol] | Fluorescent yellow-green color, the same as background color of the sign |
| |  SW24-2 (CA) | School Crosswalk Warning Assembly B [symbol] | Fluorescent yellow-green color, the same as background color of the sign |
| |  SW24-3 (CA) | School Advance Warning Assembly D [symbol] | Fluorescent yellow-green color, the same as background color of the sign |

Attachment 2

Add to the end of section 82-3.02

82-3.02F Enhanced Conspicuity Retroreflective Treatment Sign Posts

Attach a minimum two-inch wide enhanced conspicuity retroreflective treatment (ASTM sheeting Type XI attached to aluminum or plastic substrate) on wood, square perforated metal or round metal sign posts for pedestrian, bicycle and school zone signs. Attach treatment on the side of sign posts facing the traffic. If the sign has a breakaway feature, the bottom of the sign post, from the ground surface to six inches above the breakaway feature, must not be covered with the treatment. Do not attach treatment to signs installed by the strap and saddle bracket method on electroliers, sign structure posts or traffic signal standards.

On wood or square perforated metal sign posts (any size), treatment must be the width of post and must be firmly secured to the sign post by using threaded fasteners or drive rivets.

On round metal sign posts with nominal diameter size two inches or more, treatment must be the width of the outside diameter of the post and must be firmly secured using threaded fasteners.

Color of the treatment must match the color of the predominant background color of the sign panel.

Add to the end of section 82-3.04

Payment for enhanced conspicuity retroreflective treatment (ASTM sheeting Type XI attached to aluminum or plastic substrate) on wood, square perforated metal or round metal sign posts is included in the payment for furnishing pedestrian, bicycle and school zone sign panels.